

SUPPORT FOR THE AMENDMENT

Support for the amendment to Claims 1 and 8 is found on page 3, line 19 in the specification.

Claims 2, 4, 5, 7, 9, 11 and 12 are amended to use wording and structure consistent with U.S. patent law practice.

Claims 3 and 10 are canceled.

Claims 13, 14 and 15 are new and are supported in the specification beginning on page 6, line 25 and bridging to page 7.

No new matter will be added to this application by entry of this amendment.

Upon entry of this amendment, Claims 1, 2, 5-9 and 11-15 are active.

REMARKS/ARGUMENTS

The claimed invention is directed to an organic electroluminescence device which comprises a cathode, an anode and a light emitting layer disposed between the cathode and anode. Such devices are used in many display applications where light emission in response to an electrical current is required. Improved display devices employing organic EL, having reduced energy requirements, better light emission efficiency and longer performance life are sought.

The presently claimed invention addresses this problem by providing an organic electroluminescence device as described in Claim 1 as presented in the listing of claims in this paper. No such organic electroluminescence device is disclosed or suggested in the cited references.

The rejection of Claims 1, 2, 6 7 and 9 under 35 U.S.C. 102(b) and of Claims 3, 4, 10 and 11 under 35 U.S.C. 103(a) over Shi et al. (EP 1,009,044) is respectfully traversed.

Applicants respectfully note that Claims 3 and 10 are herein canceled.

Shi does not disclose or suggest an organic electroluminescence device which comprises a cathode, an anode and a light emitting layer disposed between the cathode and anode wherein the **light emitting layer comprises a light emitting material** comprising singly or in combination an anthracene derivative represented by general formula (1).

Shi is directed to an organic multilayer electroluminescent device including an anode and cathode and including therebetween a hole transport layer and an electron transport layer disposed in operative relationship with the hole transport layer. **“It is an object of the present invention to provide organic compounds outside the class of aromatic amines as the hole transport layer in organic EL devices, which result in enhanced EL performance.”** [0009]

Shi indicates in [0014] that the “hole transport layer in accordance with the present invention effectively works with the electron transport layer or an emissive layer or an electron transport layer which also functions as an emissive layer to provide a highly efficient electroluminescent device.” Therefore, Applicants respectfully submit that Shi clearly describes that the **hole transport layer is not an emissive component** in the reference electroluminescent device.

The Office has cited formulae (VI), (VII), (X) and (XI) from Shi, which exemplify **hole transport components** to show anthracene derivatives according to Claim 1 of the present invention. However, the organic electroluminescence device of the claimed invention describes the anthracene derivatives represented by formula (1) as **light emitting materials which are present in the light emitting layer of the claimed** organic electroluminescence device. Applicants respectfully submit that nowhere does Shi disclose or suggest an organic electroluminescence device wherein the anthracene materials of formulae (VI), (VII), (X) and (XI) are components of an emissive layer or that these materials can be used for such purpose.

Applicants note the Office reference to paragraph [0035] in the cited reference wherein derivatives of anthracene are suggested as **dopants** in the electron transport emissive layer. The reference does not disclose or suggest anthracene derivatives as the emitting material.

Therefore, Applicants respectfully submit that as Shi neither discloses nor suggests an organic electroluminescence device wherein anthracene derivatives according to the presently claimed invention are light emitting materials of the light emitting layer, this reference cannot anticipate or render obvious the claimed invention. Withdrawal of the rejection of Claims 1, 2, 6 7 and 9 under 35 U.S.C. 102(b) and of Claims 3, 4, 10 and 11 under 35 U.S.C. 103(a) over Shi et al. is respectfully requested.

The rejection of Claims 5 and 12 under 35 U.S.C. 103(a) over Shi and further in view of Ikeda et al. (JP 2001-097897) is respectfully traversed.

The cited combination of references neither discloses nor suggests the presently claimed invention as described in Claims 5 and 12.

The deficiency of Shi is defined above. Ikeda does not cure this deficiency.

Ikeda is directed to an anthracene derivative material of General Formula (I) as shown in the English abstract and text of the specification and claims and to the organic EL element using the material. The reference is cited to show use of a styryl amine. However, Applicants respectfully submit that the Ikeda does not disclose or suggest an organic electroluminescence device wherein anthracene derivatives according to the presently claimed invention are light emitting materials of the light emitting layer, and therefore, the cited reference cannot cure the deficiency described above for Shi.

Accordingly, in view of the above discussion, Applicants respectfully submit that the combination of Shi and Ikeda does not anticipate or render obvious the claimed invention.

Application No. 10/524,825  
Reply to Office Action of June 18, 2007

Withdrawal of the rejection of Claims 5 and 12 under 35 U.S.C. 103(a) over Shi and further in view of Ikeda et al. is respectfully requested.

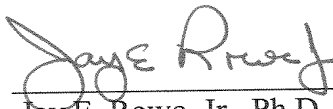
The objection to the specification citing incorrect numbering of formulas on pages 6 and 21 are not applicable to the present specification. Applicants respectfully submit that the Office has cited errors in EP 1,009,044 over which Applicants have no control.

The rejection of Claims 3 and 10 under 35 U.S.C. 112, second paragraph is obviated by appropriate amendment. Claims 3 and 10 are herein canceled. Withdrawal of the rejection of Claims 3 and 10 under 35 U.S.C. 112, second paragraph is respectfully requested.

Applicants respectfully submit that the above-identified application is now in condition for allowance and early notice of such action is earnestly solicited.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon



Jay E. Rowe, Jr., Ph.D.  
Registration No. 58,948

Customer Number

**22850**

Tel: (703) 413-3000  
Fax: (703) 413 -2220  
(OSMMN 08/07)